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April 9, 2001

**Via Facsimile and Certified Mail
Return Receipt Requested**

Mr. Kevin Adler, Remedial Project Coordinator
U.S. Environmental Protection Agency, Region 5
Office of Superfund, Remedial & Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Subject: Granville Solvents Site Removal Action Quarterly Report – First Quarter 2001

Dear Mr. Adler:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy of Ohio, Inc. respectfully submits the Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA
Mr. Peter Felitti, U.S. EPA
Mr. Fred Myers, Ohio EPA
Mr. Joe Hickman, Manager, Village of Granville

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890-5501.

Respectfully,

METCALF & EDDY OF OHIO, INC.

Gerald R. Myers
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group
M. Raimonde, M&E

**GRANVILLE SOLVENTS SITE
REMOVAL ACTION QUARTERLY REPORT
FOR JANUARY, FEBRUARY, MARCH 2001**

APRIL 2001

Pursuant to the requirement set forth in the Administrative Order by Consent (AOC, September 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group, in Section 2.5-Reporting, and the letter, dated November 14, 1996, from Ms. Diane Spencer (U.S. EPA), this report constitutes the quarterly written progress report concerning actions undertaken pursuant to the AOC.

I. PROGRESS MADE DURING REPORTING PERIOD

Source Area Groundwater Control

The groundwater pumping and treatment system operated 736 hours in January, 664 hours in February, and 744 hours in March, for a total of 2,144 (99.25 % of the total time available) during the first quarter of 2001. Since operation of the treatment system began in December 1994, the system has been operating over 98.6% of the available time.

During the first quarter of 2001, the treatment system processed approximately 6.5 million gallons of water in January, 6.82 million gallons of water in February and 12.45 million gallons of water in March, for a total of 25.77 million gallons of water. Since operation began in December 1994, the system has processed more than 729.77 million gallons of water.

During the first quarter of 2001, M&E collected monthly air pressure measurements in the air-stripping unit's inlet and exhaust ducts, which were used to calculate airflow values. Following acid washing in January, airflow increased from 2,100 cfm to 2,400 cfm. Measurements indicate a slow steady decline in the first quarter airflow of 2250 cfm measured in late March. M&E continued to perform the scheduled monthly maintenance on the treatment system. This maintenance ensures the system is performing at maximum efficiency and decreases unscheduled downtime. This maintenance included replacing the bag filters, lubricating the transfer pump and blower motors, and maintaining the flow meters and level sensors.

Water samples were collected from the system's influent and effluent sampling ports on January 18, February 20, and March 15, 2001. The analytical results are presented in Table 1.

TABLE 1

VOCs	Influent January	Effluent January	Influent February	Effluent February	Influent March	Effluent March
1,1,1-trichloroethane	2.1 µg/l	ND	2.7 µg/l	ND	14.2 µg/l	ND
Cis-1,2-dichloroethene	1.7 µg/l	ND	2.3 µg/l	ND	4.5 µg/l	ND
Tetrachloroethene	3.2 µg/l	ND	4.4 µg/l	ND	15.1 µg/l	ND
Trichloroethene	2.6 µg/l	ND	4.0 µg/l	ND	19.1 µg/l	ND
1,1-dichloroethylene	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND

Extraction well GSS-EW1 was operated at an average flow rate of approximately 135 gallons per minute (gpm) during the first quarter of 2001. The flow rate from GSS-EW2 WAS 10 gpm in January, 30 gpm in February and 143 gpm in March. The total pumping rate averaged 196 gpm for the first quarter of 2001, 145 gpm for the month of January and 165 gpm for the month of February and 278 gpm for the month of March. The pump in GSS-EW2 was replaced on February 27, 2001. The pumping rate for the month of March and the concentrations for influent in Table 1 reflect the repair. The results of the sample analyses listed in Table 1 represent typical influent and effluent concentrations at the GSS, and M&E has recorded that approximately 25.7 million gallons of water were processed for the first quarter of 2001. Based on these data, total VOCs of approximately 0.04 lb./day in January, 0.03 lb./day in February, and 0.21 lb./day in March were discharged to the atmosphere during this reporting period.

Groundwater Monitoring Plan

Groundwater level measurements were collected on January 18, February 20, and March 15, 2001. These data were used to develop potentiometric surface maps.

Source Area Soils

The PRP Group submitted the Air Injection/Air Sparging and SVE Design Report (Design Report) to the U.S.EPA in January 2001. The U.S.EPA provided approval of the Design Report on February 26, 2001. Preparation of the bid documents for equipment and service providers in underway.

Active or Completed Tasks

The following specific tasks were completed during the reporting period:

- Collected water samples on January 18, February 20, and March 15, 2001, from the treatment system influent and effluent sampling ports.
- Collected water level measurements on January 18, February 20, and March 15, 2001.
- Continued to collect airflow data on a monthly basis.
- Replaced pump in GSS-EW2 on February 27, 2001

II. DELIVERABLES (CURRENT PERIOD AND NEXT PERIOD)

CURRENT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Design Report	January 13, 2001	January 13, 2001
Quarterly Report	April 9, 2001	April 9, 2001

NEXT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>
Quarterly Report	July 9, 2001

III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD

The pumping rate from GSS EW2 declined during this quarter subsequently the pump was replaced on February 27, 2001.

IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

During the next reporting period, M&E will perform the following tasks:

- Collect potentiometric surface data on a monthly basis.
- Sample the treatment system influent and effluent water on a monthly basis.

- Perform scheduled maintenance of the treatment system.
- Solicit bids from equipment and service providers.
- Evaluate bids and select contractors.
- Collect the annual suite of samples from monitoring network.